

Comparisons of Job Characteristics

Focus Occupation: Stationary Engineers and Boiler Operators (51-8021)

Associated Occupation: Roustabouts, Oil and Gas (47-5071)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Stationary Engineers and Boiler Operators (51-8021)

Associated Occupation: Roustabouts, Oil and Gas (47-5071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.3	18.6	>>	Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	12.2	10.6	<	Expanded education and/or training may be required
Production and Processing	6.0	10.3	5.5	<<	Extensive education and/or training may be required
Physics	4.3	9.7	9.6	0	Current knowledge level may be sufficient
Chemistry	4.8	9.2	10.0	0	Current knowledge level may be sufficient
Transportation	4.6	8.4	2.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Stationary Engineers and Boiler Operators (51-8021)

Associated Occupation: Roustabouts, Oil and Gas (47-5071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	10.4	10.7	0	Current skill level may be sufficient
Repairing	3.4	9.6	8.5	<	A higher skill level may be required
Operation and Control	5.4	9.5	9.6	0	Current skill level may be sufficient
Quality Control Analysis	5.9	8.7	8.4	0	Current skill level may be sufficient
Equipment Maintenance	3.5	8.0	8.5	0	Current skill level may be sufficient
Troubleshooting	4.5	7.7	9.2	>	Skill level is likely sufficient
Equipment Selection	3.3	7.0	6.5	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 71			
Focus Occupation: Stationary Engineers and Boiler Operators (51-8021) Associated Occupation: Roustabouts, Oil and Gas (47-5071)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.9	10.0	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	11.6	10.2	<	Some improvement in abilities may be required
Static Strength	5.0	10.7	7.3	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	10.6	7.1	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	7.5	5.1	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.0	4.2	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	6.0	2.4	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	5.5	2.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 37
Focus Occupation: Stationary Engineers and Boiler Operators (51-8021) Associated Occupation: Roustabouts, Oil and Gas (47-5071)		
Work Activities		Exclusivity of Activity
Use hand or power tools		2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 74
Focus Occupation: Stationary Engineers and Boiler Operators (51-8021) Associated Occupation: Roustabouts, Oil and Gas (47-5071)		

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computers	1
Content authoring and editing software	1
Dispensing tools	6
Drilling and operation machinery	29
Electrochemical measuring instruments and accessories	9
Forming tools	2
Gas analyzers and monitors	10
General laboratory glassware and plasticware and supplies	13
Hearing protectors	12
Holding and clamping tools	3
Ladders and scaffolding	6
Lifting equipment and accessories	3
Pneumatic tools	8
Power tools	2
Pumps	9
Respiratory protection	6
Safety apparel	4
Vision protection and accessories	3
Weight measuring instruments	7
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.